

Appendix D

Plant Lists and Species Microclimate Requirements

Species Present in Fautleroy Park per Arborwise, LLC Data Collection January 2003

Many herbaceous species were not present during the winter data collection. This list reflects species found within defined plots during data collection. The authors recognize it is neither complete nor inclusive.

<i>Acer circinatum</i>	vine maple
<i>Acer macrophyllum</i>	big-leaf maple
<i>Alnus rubra</i>	red alder
<i>Atherium filix-femina</i>	lady fern
<i>Berberis nervosa</i>	dull Oregon grape
<i>Blechnum spicant</i>	deer fern
<i>Corylus cornuta</i>	beaked hazelnut
<i>Cornus nuttallii</i>	Pacific dogwood
<i>Equisetum arvense</i>	horsetail
<i>Gaultheria shallon</i>	salal
<i>Geranium robertianum</i>	herb Robert
<i>Hedera helix</i>	English ivy
<i>Holodiscus discolor</i>	oceanspray
<i>Ilex aquifolium</i>	English holly
<i>Laurus nobilis</i>	bay laurel
<i>Lysichiton americanum</i>	skunk cabbage
<i>Oemleria cerasiformis</i>	Indian plum
<i>Physocarpus capitatus</i>	Pacific ninebark
<i>Picea sitchensis</i>	Sitka spruce
<i>Polypodium glycyrrhiza</i>	licorice fern
<i>Polystichum munitum</i>	sword fern
<i>Prunus emarginata</i>	bitter cherry
<i>Prunus laurocerasus</i>	cherry laurel
<i>Prunus lusitanica</i>	Portuguese laurel
<i>Pseudotsuga menziesii</i>	Douglas-fir
<i>Pteridium aquilinum</i>	bracken fern
<i>Rubus discolor</i>	Himalayan blackberry
<i>Rubus spectabilis</i>	salmonberry
<i>Rubus ursinus</i>	trailing blackberry
<i>Sambucus racemosa</i>	red elderberry
<i>Symphoricarpos albus</i>	snowberry
<i>Thuja plicata</i>	western red cedar
<i>Tiarella trifoliata</i>	foam flower
<i>Tolmiea menziesii</i>	piggy-back-plant
<i>Tsuga heterophylla</i>	western hemlock
<i>Vaccinium ovatum</i>	evergreen huckleberry
<i>Vaccinium parvifolium</i>	red huckleberry

Shaded areas represent non-native, invasive species

Additional Species noted in Fautleroy Park but not included in data collected from established plots per Arborwise, LLC Data Collection January 2003

<i>Polygonum cuspidatum</i>	Japanese Knotweed
<i>Trillium ovatum</i>	western trillium
<i>Arbutus menziesii</i>	Pacific madrone
<i>Populus balsamifera ssp. trichocarpa</i>	black cottonwood
<i>Abies grandis</i>	grand fir
<i>Picea sitchensis</i>	Sitka spruce
<i>Taxus brevifolia</i>	western yew
<i>Urtica dioecia</i>	stinging nettles
<i>Ribes sp</i>	gooseberry
<i>Impatiens glandifulera</i>	policaman's helmet
<i>Ribes sanguineum</i>	Red flowering currant

Shaded areas represent non-native, invasive species

Species reportedly in park, but not noted by Arborwise, LLC (See *An Assessment of Vegetation in Fautleroy Park*)

Shrubs or small trees	
<i>Cornus stolonifera</i>	red osier dogwood
<i>Amelanchier alnifolia</i>	serviceberry
<i>Rhamnus purshiana</i>	casacara
<i>Philadelphus lewisii</i>	syringa
<i>Berberis aquifolium</i>	tall Oregon grape
<i>Viburnum edule</i>	highbush cranberry

Low-growing plants	
<i>Geum macrophyllum</i>	large-leaved avens
<i>Mitella pentandra</i>	mitrewort
<i>Circaea alpina</i>	enchanter's nightshade
<i>Rubus leucodermis</i>	black raspberry
<i>Achlys triphylla</i>	vanilla leaf
<i>Osmorhiza chilensis</i>	sweet-cicely
<i>Trientalis latifolia</i>	starflower
<i>Epilobium angustifolium</i>	fireweed
<i>Hydrophyllum tenuipes</i>	Pacific waterleaf
<i>Rosa sp.</i>	rose
<i>Asarum caudatum</i>	wild ginger
<i>Maianthemum dilatatum</i>	false lily-of-the-valley
<i>Dicentra formosa</i>	bleedingheart
<i>Montia sibirica</i>	western springbeauty

Species Suggested for planting in Fauntleroy Park; as presented in *An Assessment of the Vegetation in Fauntleroy Park*

	SPECIES	POSSIBLE LOCATION
Devil's club	<i>Oplopanax horridum</i>	near the creek
Pacific rhododendron	<i>Rhododendron macrophyllum</i>	south edge
Maidenhair fern	<i>Adiantum pedatum</i>	swamp areas
False Solomon's seal	<i>Smilacina racemosa</i>	
Star-flowered false Solomon's seal	<i>Smilacina stellata</i>	
Western trumpet honeysuckle	<i>Lonicera ciliosa</i>	
Western white pine	<i>Pinus monticola</i>	ridge in southeast corner
Black twinberry	<i>Lonicera involucrate</i>	
Twin flower	<i>Linnaea borealis</i>	
Bunchberry	<i>Cornus Canadensis</i>	
Queen's cup beadlilly, and various	<i>Clintonia uniflora</i>	
Various violets	<i>Viola</i> spp	
Various orchids (lady's slippers or		
Hairy manzanita	<i>Arctostaphylos columbiana</i>	probably too shady originally but now may thrive on south edge
Mountain balm	<i>Ceanothus velutinus</i>	

Native Plant Species and Microclimate Requirements for plants that would be appropriate to plant at Fauntleroy Park

Table format and information is adapted from the following documents: Sandpoint Magnuson Vegetation Management Plan(2001) by Sheldon & Associates; Flora of the PNW (Hitchcock & Cronquist); Plants of the PNW Coast (Pojar & MacKinnon); Ecology Publication #93-17 "Restoring Wetlands in Washington" by Stevens and Vanbianchi (1993); Ecology Publication #93-31 "Vegetation Management: A guide for Puget Sound Bluff Property Owner's by Elliott Menashe (1993); Natural Vegetation of Oregon and Washington (Franklin and Dyrness); and field observations.

Table Abbreviations

Ind. Status (indicator status):

OBL	Obligate wetland plants that almost always occur in wetlands (estimated probability 99%) under natural conditions.
FACW	Facultative wetland plants usually occur in wetlands (estimated probability 67-99%) but occasionally are found in non -wetlands.
FAC	Facultative plants are equally likely to occur in wetlands (estimated probability 34-66%) or non-wetlands
FACU	Facultative upland plants usually occur in non-wetlands but occasionally occur in wetlands (estimated probability 1-33%)
NI	No indicator status assigned

Light Needs:	Site Placement:
SI=Shade Intolerant	X =Drier (Xeric)Upland
ST=Shade Tolerant	HA=Highly Adaptable

SD=Shade Dependent	WE=Wetter
	SW=Shallow Water
	M =Moister (Mesic)Upland
	SS=Saturated Soils

TREES

Scientific Name	Common Name	Ind Status	Max. Ht	Light Needs	Site Placement	Spacing	Comments
<i>Acer macrophyllum</i>	big leaf maple	FACU+	100'	SI-ST	M,X	12-15'	Seral/sprouter, highly adaptable
<i>Alnus rubra</i>	red alder	FAC	80'	SI-ST	M,X	5-10'	Seral, sprouter & spreader
<i>Arbutus menziesii</i>	Pacific madrone	UPL	80'	SI	X	12-15'	Likes drier, coastal: slow-grower
<i>Cornus nuttallii</i>	Pacific dogwood	UPL	70'	ST	M	10-15'	Understory or forest edge tree
<i>Picea sitchensis</i>	Sitka spruce	FAC	230'	SI	WE,SS	12-15'	Wettest conifer
<i>Populus balsamifera</i> <i>ssp. trichocarpa</i>	black cottonwood	FAC	200'	HA	WE,SS,M	10-15'	Seral; sprouter
<i>Prunus emarginata</i>	bitter cherry	FACU	50'	SI	M	5-10'	Seral in mesic conditions
<i>Pseudotsuga menziesii</i>	Douglas-fir	FACU	300'	SI	M,X	12-15'	Driest conifer-seral, fast grower
<i>Taxus brevifolia</i>	Pacific yew	NI	80'	ST-SD	M	12-15'	Slow growing
<i>Thuja plicata</i>	western red cedar	FAC	230'	SD	SS,WE,M	12-15'	Basic to PNW & wetlands
<i>Tsuga heterophylla</i>	western hemlock	IFACU --	200'	ST	IX, M	12-15'	Dry conifer

Shrubs

Scientific Name	Common Name	Ind Status	Max. Ht	Light Needs	Site Placement	Spacing	Comments
<i>Acer circinatum</i>	vine maple	FAC-	25'	SD	M,X	6-10'	Needs canopy shade or lots of moisture.
<i>Amelanchier alnifolia</i>	serviceberry	FACU	20'	SI	X	6-10'	Edge-loving
<i>Berberis aquifolium</i>	tall Oregon a	UPL	4'	SD	X	3-4'	Drier, rocky sites
<i>Berberis nervosa</i>	dull Oregon grape	UPL	2'	ST-SD	X	2-3'	Drier sites
<i>Cornus sericea</i>	red-osier dogwood	FACW +	20'	ST	WE,SS,M	5-8'	Takes sun if it has lots of moisture
<i>Coylus cornuta</i>	hazelnut	FACU	15'	ST	X	4-6'	Good wildlife habitat
<i>Gaultheria shallon</i>	salal	FACU	7'	ST-SD	X	2-3'	Basic forest groundcover
<i>Holodiscus discolor</i>	ocean spray	UPL	10'	SI-ST	X	6-10'	Drought-tolerant
<i>Lonicera involucrata</i>	black twinberry	FAC+	10'	SI-ST	WE,SS,M	6-10'	Takes sun if has lots of moisture
<i>Oemleria cerasiformis</i>	Indian plum	FACU	15'	SD	M,X	4-6'	Sub-canopy
<i>Oplopanax horridus</i>	Devil's club	FAC+	7'	ST	WE,M	4-6'	Needs good drainage, forms thickets
<i>Physocarpus capitatus</i>	Pacific ninebark	FACW -	20'	SI-ST	M,X	5-8'	Needs good drainage
<i>Rhamnus purshiana</i>	casacara	FAC-	30'	ST-SD	M	6-10'	Found in most wetlands
<i>Ribes bracteosum</i>	stink currant	FAC	10'	ST	M	5-8'	Transition
<i>Ribes lacustre</i>	prickly currant	FAC+	7'	ST	M	4-6'	Can take drought

<i>Ribes sanguineum</i>	red-flowering currant	UPL	7'	SI	MA	4-6'	Does not form thickets
<i>Rosa pisocarpa</i>	clustered rose	FAC	7'	ST	WE,SS,M	3-4'	Will hybridize with nootka rose
<i>Rubus leucodermis</i>	black raspberry	UPL	10'	ST	X	6-10'	Good buffer planting
<i>Rubus parviflorus</i>	thimbleberry	FAC-	10'	SI	M,X	4-6'	Seral groundcover in clear-cuts, drought tolerant
<i>Rubus spectabilis</i>	salmonberry	FAC+	15'	HA	WE,M	4-6'	Takes sun if has lots of moisture
<i>Salix lasiandra</i>	Pacific willow	FAC W+	50'	HA	WE,SS,M	6-10'	Common, tolerant, prefers riparian
<i>Salix scouleriana</i>	Scouler willow	FAC	35'	ST	SS,M	6-10'	Upland & wetland
<i>Salix sitchensis</i>	Sitka willow	FAC W	25'	HA	WE,SS,M	6-10'	Common, tolerant
<i>Sambucus racemosa</i>	red elderberry	FACU	20'	HA	M	5-8'	tolerates sun, seral on clear-cuts
<i>Symphoricarpos albus</i>	snowberry	FACU	7'	SI	M,X	3-4'	Common, tolerant
<i>Vaccinium ovatum</i>	evergreen huckleberry	UPL	5'	SD	M,X	4-6'	Prefers mature shade
<i>Vaccinium parvifolium</i>	red huckleberry	UPL	13'	SD	M,X	5-8'	Requires lots of organic matter

Sedges and Rushes							
Scientific Name	Common Name	Ind Status	Max. Ht	Light Needs	Site Placement	Spacing	Comments
<i>Carex obnupta</i>	slough sedge	OBL	4.5'	ST	SW,WE,SS	1.5'	Extremely common
<i>Scirpus microcarpus</i>	small-fruited bulrush	IOBL		4.5' ISI-ST	ISW,WE,SS	11.5'	(Lowland to mid-montane, very common)

Grasses							
Scientific Name	Common Name	Ind Status	Max. Ht	Light Needs	Site Placement	Spacing	Comments
<i>Glyceria borealis occidentalis</i>	Northern manna grass	OBL	4'	ST	WE,SS	1.5'	Tolerates up to 3' of water
<i>Glyceria elata</i>	tall manna grass	FACW+	4.5'	SD	WE,SS,M	1.5'	Prefers streamside

Ferns:							
Scientific Name	Common Name	Ind Status	Max. Ht	Light Needs	Site Placement	Spacing	Comments
<i>Athyrium filix-femina</i>	lady fern	FAC	6'	ST	SS,M	4-6'	Very common, tolerant
<i>Blechnum spicant</i>	deer fern	FAC+	2'	SD	M	2-4'	Needs shade, moisture, evergreen
<i>Dryopteris expansa</i>	wood fern	FACU	2'	SD	WE,SS,M	2-4'	Performs well in mud soil
<i>Gymnocarpium dryopteris</i>	oak fern	FAC	16"	S	M	1.5-2'	Forms carpets
<i>Polystichum munitum</i>	western sword fern	FACU	4'	ST	M,X	4-6'	PNW basic; needs shade or moisture, evergreen

<i>Pteridium aquilinum</i>	bracken fern	FACU	5'	SI	X	2-4'	Seral on disturbed areas
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Herbs and Groundcovers							
Scientific Name	Common Name	Ind Status	Max. Ht	Light Needs	Site Placement	Spacing	Comments
<i>Aruncus dioicus</i>	goat's beard	FACU+	2'	ST	M,X	1-1.5'	streamside, edges
<i>Dicentra formosa</i>	bleeding heart	FACU	1.5'	ST-SD	M,X	1-1.5'	very common, tolerant
<i>Epilobium angustifolium</i>	fireweed	UPL	4'	SI	X	1-1.5'	seral on clear-cuts, common, tolerant
<i>Geum macrophyllum</i>	large-leaved avens	FACW-	3'	ST	WE,SS,M	1-1.5'	common
<i>Hydrophyllum tenuipes</i>	Pacific waterleaf	NI	12"	ST-SD	M	1-1.5'	Wet forest groundcover
<i>Linnaea borealis</i>	twinflower	FACU-	6"	ST	M,X	1-1.5'	Usually in forests, but seral on clear-cuts
<i>Lonicera ciliosa</i>	orange honeysuckle	UPL	15'	ST	M,X	1-1.5'	Trailing climbing vine
<i>Lysichiton americanum</i>	skunk cabbage	OBL	10"	SD	SW,WE	1-1.5'	Common, typical PNW
<i>Maianthemum dilatatum</i>	wild lily of the valley	FAC	14"	ST	M,X	1-1.5'	Rapid spreader
<i>Oenanthe sarmentosa</i>	water parsley	OBL	3'	ST	SW,WE,SS	1-1.5'	Common, hardy, good amphibian habitat
<i>Osmorhiza chilensis</i>	sweet cicely	NI	6"	ST-SD	X	1-1.5'	Very common in PNW forest
<i>Oxalis oregana</i>	wood-sorrel	NI	9"	ST	M,X	1-1.5'	Very rapid spreader, robust, highly tolerant
<i>Smilacina stellata</i>	Solomon's Star	FAC-	1.5'	ST	M	1-1.5'	Forms drifts near streams
<i>Stachys cooleyae</i>	Colley hedge-nettle	FACW	4'	SI-ST	M	1-1.5'	Common
<i>Tellima grandiflora</i>	fringe cup	NI	2'	ST	M	1-1.5'	Common, tolerant
<i>Tiarella trifoliata</i>	foamflower	FAC-	2'	ST	M	1-1.5'	Common, tolerant
<i>Tolmiea menziesii</i>	piggy-back plant	FAC	30"	SD	M	1-1.5'	Forms drifts near streams
<i>Trientalis latifolia</i>	western starflower	UPL	6"	ST	M	1-1.5'	Often found in clumps around trees
<i>Trillium ovatum</i>	western trillium	NI	12"	ST	M,WE	1-1.5'	Moderately common
<i>Viola glabella</i>	stream violet	FACW+	7"	SI-ST	M	1-1.5'	Common, rapid spreader